



1 CGAGGCCACGGCTTATGCAAGCAAAGATCTGGAGGAGCAGTTACGGTCTGTGTCCAGTGT
-----+-----+-----+-----+-----+-----+-----+
71 AGATGAACTCATGACTGTACTCTACCCAGAATATTGAAAAATGTACAAGTGTCAAGCTAAG
-----+-----+-----+-----+-----+-----+-----+
M T V L Y P E Y W K M Y K C Q L R
121 GAAAGGAGGCTGGCAACATAACAGAGAACAGGCCAACCTCAACTCAAGGACAGAAGAGAC
-----+-----+-----+-----+-----+-----+-----+
K G G W Q H N R E Q A N L N S R T E E T
181 TATAAAATTGCTGCAGCACATTATAATACAGAGATCTTGAAAAAGTATTGATAATGAGTG
-----+-----+-----+-----+-----+-----+-----+
I K F A A A H Y N T E I L K S I D N E W
241 GAGAAAGACTCAATGCATGCCACGGGAGGTGTGTATAGATGTGGGGAAGGAGTTTGGAGT
-----+-----+-----+-----+-----+-----+-----+
R K T Q C M P R E V C I D V G K E F G V
301 CGGACAAACACCTTCTTTAAACCTCCATGTGTCTCCGTCACAGATGTGGGGTGTGCTG
-----+-----+-----+-----+-----+-----+-----+
A T N T F F K P P C V S V Y R C G G C C

FIG. 2A

361 CAATAGTGGGGCTGCAGTGCATGAACACACGACGAGCTACCTCAGCAAGACGTTATT
-----+-----+-----+-----+-----+-----+-----+
N S E G L Q C M N T S T S Y L S K T L F
421 TGAAATTACAGTGCCTCTCTCTCAAGGCCCCAAACCAGTAACAATCAGTTTGGCCAATCA
-----+-----+-----+-----+-----+-----+-----+
E I T V P L S Q G P K P V T I S F A N H
481 CACTTCCTGCCGATGCTCTAAACTGGATGTTACAGACAAGTTCATTCCATTATTAG
-----+-----+-----+-----+-----+-----+-----+
T S C R C M S K L D V Y R Q V H S I I R
541 ACGTTCCCTGCCAGCAACACTACCACAGTGTCTCAGGCAGCGAACAAGACCTGCCCCACCCAA
-----+-----+-----+-----+-----+-----+-----+
R S L P A T L P Q C Q A A N K T C P T N
601 TTACATGTGGAATAATCACATCTGCAGATGCCCTGGCTCAGGAAGATTTATGTTTCCTC
-----+-----+-----+-----+-----+-----+-----+
Y M W N N H I C R C L A Q E D F M F S S
661 GGATGCTGGAGATGACTCAACAGATGGATTCCATGACATCTGTGGACCAACAAGGAGCT
-----+-----+-----+-----+-----+-----+-----+
D A G D D S T D G G F H D I C G P N K E L

FIG. 2B

721 GGATGAAGAGACCTGTCAAGTGTCTGCAGAGCGGGGCTTCGGCCCTGCCAGCTGTGGACC
-----+-----+-----+-----+-----+-----+
D E E T C C Q C V C R A G L R P A S C G P
781 CCACAAAGAACTAGACAGAAACTCATGCCAGTGTGTCTGTAAACAACTCTTCCCCCAG
-----+-----+-----+-----+-----+-----+
H K E L D R N S C Q C V C K N K L F P S
841 CCAATGTGGGGCCCAACCGAGAAATTGTATGAAACACATGCCAGTGTATGTAAGAAGAAC
-----+-----+-----+-----+-----+-----+
Q C G A N R E F D E N T C C Q C V C K R T
901 CTGCCCCAGAAATCAACCCCTAAATCCTGGAAATGTGCCCTGTGAATGTACAGAAAGTCC
-----+-----+-----+-----+-----+-----+
C P R N Q P L N P G K C A C E C T E S P
961 ACAGAAATGCTTGTAAAGGAAAGAGTTCCACCACCAACATGCAGCTGTTACAGACG
-----+-----+-----+-----+-----+-----+
Q K C L L K G K K F H H Q T C S C Y R R
1021 GCCATGTACGAACCGCCAGAGGCTTGTGAGCCAGGATTTTCATATAGTGAAGAAGTGTG
-----+-----+-----+-----+-----+-----+
P C T N R Q K A C E P G F S Y S E E V C

FIG. 2C

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1081 TCGTTGTGCCCTTCATATTGGCAAAGACCACAAATGAGCTAAGATTGTAAGTTTCCCA
      R C V P S Y W Q R P Q M S
1141 GTTCATCGATTTTCTATTATGGAATACTGTGTGCCACAGTAGAACTGTCTGTGAACAGA
1201 GAGACCCCTTGTTGGTCCCATGCTAACAAAGACAAAAGTCTGTCTTTTCCCTGAACCATGTGGA
1261 TAACTTTACAGAAATGGACTGGAGCTCATCTGCAAAAGGCCCTCTTGTAAGACTGGTTT
1321 CTGCCAATGACCAACACAGCCCAAGATTTTCCCTCTGTGTGATTTTCTTAAAGAAATGACTATA
1381 TAATTTATTCCACTAAAAATATTGTTTCTGCAATTCATTTTATAGCAACAACAATTGGT
1441 AAACTCACTGTGATCAATATTTTATATCATGCATAAATATGTTTAAATAAAATGAAAA
1501 TTGTATTATAAAAAAATAAAAAA

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FIG. 2D



1 CGAGGCCACGGCTTATGCAAGCAAGATCTGGAGGAGCAGTTACGGTCTGTGTCCAGTGT
-----+-----+-----+-----+-----+-----+-----+
71 AGATGAACCTCATGACTGTACTCTACCCAGAAATATTGGAATAATGTACAAGTGTACAGCTAAG
-----+-----+-----+-----+-----+-----+-----+
M T V L Y P E Y W K M Y K C Q L R
-----+-----+-----+-----+-----+-----+-----+
121 GAAAGGAGGCTGGCAACATAACAGAGAACAGGCCAACCTCAACTCAAGGACAGAAAGAGAC
-----+-----+-----+-----+-----+-----+-----+
K G G W Q H N R E Q A N L N S R T E E T
-----+-----+-----+-----+-----+-----+-----+
181 TATAAAATTGCTGCAGCACATTATAATACAGAGATCTTGAAAAGTATTGATAATGAGTG
-----+-----+-----+-----+-----+-----+-----+
I K F A A A H Y N T E I L K S I D N E W
-----+-----+-----+-----+-----+-----+-----+
241 GAGAAAGACTCAATGCATGCCACGGAGGTGTATAGATGTGGGAAGGAGTTTGGAGT
-----+-----+-----+-----+-----+-----+-----+
R K T Q C M P R E V C I D V G K E F G V
-----+-----+-----+-----+-----+-----+-----+
301 CGCGACAAACACCTTCTTTAAACCTCCATGTGTGTCCTCGTCTACAGATGTGGGGGTTGCTG
-----+-----+-----+-----+-----+-----+-----+
A T N T F F K P P C V S V Y R C G G C C
-----+-----+-----+-----+-----+-----+-----+

FIG. 2A